What is claimed is:

1   1.   A method for performing autoconvergence, comprising:

     2   receiving an image having a first aspect ratio and a plurality of sides;

     3   displaying said image on a display having a second aspect ratio and at least one

     4   sensor corresponding to each side of said image;

     5   moving said image so that each sensor can detect said corresponding side of

     6   said image.

1   2.   The method of claim 1, wherein said first aspect ratio is a 16:9 aspect ratio and

     2   said second aspect ratio is a 4:3 aspect ratio.

1   3.   The method of claim 1, wherein said first aspect ratio is a 4:3 aspect ratio and

     2   said second aspect ratio is a 16:9 aspect ratio.

1   4.   The method of claim 1, wherein said moving comprises:

     2   shifting said image from an initial position towards a first sensor until said first

     3   sensor can detect a first side of said image;

     4   shifting said image towards a second sensor until said second sensor can detect

     5   a second side of said image; and

     6   shifting said image to said initial position.

1	5.	The method of claim 4, wherein shifting said image comprises:
2		measuring a first vertical height and a horizontal width for said display;
3		defining a digital step for said display;
4		determining a distance between said side and said sensor;
5		determining a number of digital steps corresponding to said distance; and
6		shifting said image said number of digital steps.

1	6.	The method of claim 1, wherein said moving comprises:
2		stretching a first side and a second side of said image from an initial size until
3	a first sensor can detect said first side and a second sensor can detect said second side;
4	and
5		reducing said stretched image to said initial size.

1	7.	The method of claim 6, wherein stretching said image comprises:
2		measuring a first vertical height and a horizontal width for said display;
3		defining a digital step for said display;
4		determining a distance between each side and each sensor;
5		determining a number of digital steps corresponding to said distance; and
6		stretching said image said number of digital steps.

1	8.	The method of claim 2, wherein said image has a top side, a bottom side, a left
2		side and a right side, and said display has a top sensor, a bottom sensor, a left
3		sensor and a right sensor, with said moving comprising moving said image so
4		that said top sensor can detect said top side, and said bottom sensor can detect
5		said bottom side.

1 9.   The method of claim 2, wherein said image has a top side, a bottom side, a left

2   side and a right side, and said display has a top sensor, a bottom sensor, a left

3   sensor and a right sensor, with said moving comprising moving said image so

4   that said left sensor can detect said left side, and said right sensor can detect

5   said right side.

1 10.   A machine-readable medium whose contents cause a computer system to

2   perform autoconvergence by performing the steps of:

3   receiving an image having a first aspect ratio and a plurality of sides;

4   displaying said image on a display having a second aspect ratio and at least one

5 sensor corresponding to each side of said image;

6   moving said image so that each sensor can detect said corresponding side of

7 said image.

1 11.   The machine-readable medium of claim 10, wherein said first aspect ratio is a

2   16:9 aspect ratio and said second aspect ratio is a 4:3 aspect ratio.

1 12.   The machine-readable medium of claim 10, wherein said first aspect ratio is a

2   4:3 aspect ratio and said second aspect ratio is a 16:9 aspect ratio.

1 13.   The machine-readable medium of claim 10, wherein said moving comprises:

2   shifting said image from an initial position towards a first sensor until said first

3 sensor can detect a first side of said image;

4   shifting said image towards a second sensor until said second sensor can detect

5 a second side of said image; and

6   shifting said image to said initial position.

1 14. The machine-readable medium of claim 13, wherein shifting said image
2 comprises:
3 measuring a first vertical height and a horizontal width for said display;
4 defining a digital step for said display;
5 determining a distance between said side and said sensor;
6 determining a number of digital steps corresponding to said distance; and
7 shifting said image said number of digital steps.

1 15. The machine-readable medium of claim 10, wherein said moving comprises:
2 stretching a first side and a second side of said image from an initial size until
3 a first sensor can detect said first side and a second sensor can detect said second side;
4 and
5 reducing said stretched image to said initial size.

1 16. The machine-readable medium of claim 15, wherein stretching said image
2 comprises:
3 measuring a first vertical height and a horizontal width for said display;
4 defining a digital step for said display;
5 determining a distance between each side and each sensor;
6 determining a number of digital steps corresponding to said distance; and
7 stretching said image said number of digital steps.

1 17. The machine-readable medium of claim 11, wherein said image has a top side,
2 a bottom side, a left side and a right side, and said display has a top sensor, a
3 bottom sensor, a left sensor and a right sensor, with said moving comprising
4 moving said image so that said top sensor can detect said top side, and said
5 bottom sensor can detect said bottom side.

1   18.   The machine-readable medium of claim 11, wherein said image has a top side,

2   a bottom side, a left side and a right side, and said display has a top sensor, a

3   bottom sensor, a left sensor and a right sensor, with said moving comprising

4   moving said image so that said left sensor can detect said left side, and said

5   right sensor can detect said right side.

1   19.   An apparatus to perform autoconvergence, comprising:

2   a video receiver to receive a video signal representing an image having a first

3 aspect ratio;

4   a display connected to said video receiver to display said image, said display

5 having a second aspect ratio and at least one sensor; and

6   an image adjustor connected to said video receiver and said display to adjust

7 said displayed image on said display for said at least one sensor to detect said image.

1   20.   The apparatus of claim 19, wherein said first aspect ratio is a 16:9 aspect ratio

2   and said second aspect ratio is a 4:3 aspect ratio.

1   21.   The apparatus of claim 19, wherein said first aspect ratio is a 4:3 aspect ratio

2   and said second aspect ratio is a 16:9 aspect ratio.